

WHAT IS CLAIMED IS

5 1. An induction motor, comprising:

two rotors coaxially arranged on a shaft, a first one  
of the rotors having a first winding and a second one of the  
rotors having a second winding, said first winding being coupled  
to the second winding with reverse electrical polarity;

10 two stators, each of the stators being coaxially  
arranged around a different one of the two rotors; and

wherein one of the stators is mounted for rotation  
relative to the other stator.

15 2. The induction motor of claim 1 wherein each of the  
stators comprises a polyphase structure.

3. The induction motor of claim 1 further comprising a  
capacitor coupled to the first winding.

20 4. An induction motor, comprising:

first and second rotors coaxially arranged on a shaft,  
each of the rotors having a winding;

25 a resistor coupled between the windings of the first  
and second rotors;

a capacitor connected in parallel to the resistor; and  
first and second stators, the first stator being  
coaxially arranged around the first rotor and the second stator  
being coaxially arranged around the second rotor.

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5. The induction motor of claim 4 wherein the resistor  
comprises a potentiometer.

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6. The induction motor of claim 4 further comprising a choke connected in parallel with the capacitor.

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7. The induction motor of claim 4 further comprising a worm screw coupled to the first stator to rotate the first stator with respect to the second stator.

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